

What is claimed is:

1. An apparatus for generating a search report of combined data, the apparatus comprising:
  - a processor;
  - a formatter executing on the processor for formatting the combined data into text data in a first format and into numerical/tabular data in a second format and storing each in storage;
  - a search module executing on the processor for searching the text data and mapping the located text data to correlated numerical/tabular data, or the search module searching the numerical/tabular data and mapping the located numerical/tabular data to correlated text data; and
  - a report module executing on the processor for integrating the located and correlated text and numerical/tabular data into a report.
2. The apparatus of claim 1 further comprising controlled vocabulary application data accessible by the processor, the controlled vocabulary application data providing a portion of a standard vocabulary that corresponds to the combined data in storage.
3. The apparatus of claim 2 wherein at least one of the text data and the numeric/tabular data uses multiple standard vocabularies.
4. The apparatus of claim 3 wherein the report can integrate the controlled vocabulary application data when at least one of the text data and the numeric/tabular data is restricted to using a single standard vocabulary.

5. The apparatus of claim 4 wherein the search module accesses the text data and numerical/tabular data according to the controlled vocabulary application data.
6. The apparatus of claim 2 wherein the controlled vocabulary application data has a text data portion and a numerical/tabular data portion.
7. The apparatus of claim 6 wherein the controlled vocabulary application data can be browsed by a user to refine the searching performed by the search module.
8. The apparatus of claim 6 wherein the controlled vocabulary application data is updated by additions to the combined data.
9. The apparatus of claim 1 further comprising an editor executing on the processor for providing a user with remote editing capabilities for text data and numerical/tabular data in the report.
10. A method for generating a search report of combined data, the method comprising:
  - formatting combined data into text data in a first format and into numerical/tabular data in second format and storing each in storage;
  - searching the text data and mapping the located text data to correlated numerical/tabular data, or searching the numerical/tabular data and mapping the located numerical/tabular data to correlated text data; and
  - integrating the located and retrieved text and numerical/tabular data into a report.

11. The method of claim 10 further comprising limiting the text and numerical/tabular data available to a search by controlled vocabulary application data having a text data portion and a numerical/tabular data portion.

12. The method of claim 11 further comprising normalizing the controlled vocabulary application data to reduce the amount of a standard vocabulary that needs to be utilized when searching using the controlled vocabulary application data.

13. The method of claim 11 further comprising updating the controlled vocabulary application data with each addition to the text and numerical/tabular data.

14. The method of claim 11 further comprising browsing the controlled vocabulary application data to control the scope of the search.

15. An apparatus for generating a search report of combined data, the apparatus comprising:

- a processor;

- storage accessible by the processor, the storage having stored thereon text data and numerical/tabular data;

- controlled vocabulary application data accessible by the processor, the controlled vocabulary application data having a text data portion and a numerical/tabular data portion;

- a search module executing on the processor for searching the text data using the text data controlled vocabulary application data portion and mapping the search to located and correlated numerical/tabular data, or the search module searching the numerical/tabular data using the

numerical/tabular data controlled vocabulary application data portion and mapping the search to located and correlated text data; and

a report module executing on the processor for translating and integrating the located and correlated text and numerical/tabular data into a report.

16. The apparatus of claim 15 wherein the controlled vocabulary application data can be browsed and selected by a user to refine the scope of the searching performed by the search module.

17. The apparatus of claim 15 wherein the controlled vocabulary application data is updated by additions to the combined data.

18. The apparatus of claim 15 further including an expert system executing on the processor for controlling the updating of the controlled vocabulary application data.

19. A method for creating data driven controlled vocabulary application data of combined data, the method comprising:

generating controlled vocabulary application data by removing unrelated terms from a standard vocabulary;

updating the controlled vocabulary application data with an expert system that reviews relevant combined data on an on-going basis and adjusts the controlled vocabulary application data according to relevant combined data; and

limiting the controlled vocabulary application data by user defined parameters.

20. A method for browsing combined data in storage, the method comprising:
- entering query data;
  - analyzing the query data for synonyms, hyponyms, hypernyms, and related terms found in controlled vocabulary application data;
  - presenting the synonyms, hyponyms, hypernyms, and related terms for each term in the query data to a user for review;
  - allowing the user to chose a synonym, hyponyms, hypernyms, or related term for each term in the query data; and
  - searching storage for combined data according to the modified query data.
21. The method of claim 20 further comprising allowing the user to chose a synonym, hyponyms, hypernyms, or related term for each term in the modified query data.
22. The method of claim 20 further comprising restricting the synonyms, hyponyms, hypernyms, and related terms presented to the user by controlled vocabulary application data.
23. A system for generating a search report of combined data, the system comprising:
- a processor;
  - storage accessible by the processor, the storage having stored thereon text data and numerical/tabular data;
  - software executing on the processor for generating controlled vocabulary application data having a text data portion and a numerical/tabular data portion;

software executing on the processor for searching the text data using the text data controlled vocabulary application data portion and mapping the search to located and correlated numerical/tabular data, or the search module searching the numerical/tabular data using the numerical/tabular data controlled vocabulary application data portion and mapping the search to located and correlated text data; and

software executing on the processor for translating and integrating the located and correlated text and numerical/tabular data into a report.

24. A system for generating a search report of combined data, the apparatus comprising:

a processor;

storage accessible by the processor, the storage having stored thereon combined data;

software executing on the processor for formatting the combined data into text data in a first format and into numerical/tabular data in a second format and storing each in storage;

software executing on the processor for searching the text data and mapping the located text data to correlated numerical/tabular data, or the search module searching the numerical/tabular data and mapping the located numerical/tabular data to correlated text data; and

software executing on the processor for integrating the located and correlated text and numerical/tabular data into a report.

25. An apparatus for generating a search report of combined data, the apparatus comprising:

a processor;

storage accessible by the processor, the storage having stored thereon combined data;

a formatter coupled to the processor for formatting the combined data into text data in a first format and into numerical/tabular data in a second format and storing each in storage;

controlled vocabulary application data accessible by the processor, the controlled vocabulary application data having a text data portion and a numerical/tabular data portion;

a search module executing on the processor, the controlled vocabulary application data limiting the search module search of the text data, the search module mapping the located text data to correlated numerical/tabular data, or the controlled vocabulary application data limiting the search module searching the numerical/tabular data, the search module mapping the located numerical/tabular data to correlated text data; and

a report module executing on the processor, the report module translating and integrating the located and correlated text and numerical/tabular data into a report.

26. An apparatus for targeting data for a search, the apparatus comprising:

a processor;

a standard vocabulary accessible by the processor;

a controlled vocabulary application executing on the processor, the controlled vocabulary application reducing the standard vocabulary to a targeted version of the standard vocabulary; and

a search module executing on the processor for searching the targeted version of the standard vocabulary.

27. The apparatus of claim 26 wherein the search module enables browsing of the targeted version of the standard vocabulary.